

Appl. No. 10/081,932

Amdt. dated June 19, 2003

Reply to Office action of March 22, 2003

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

What is claimed of my new invention is:

Claim 1 (cancelled)

Claim 2 (currently amended): ~~The camera mount as recited in claim 1, wherein said~~ A camera mount for use in the outdoors to support a camera for recording images of flora, fauna, and participants in outdoors-recreational activities, said mount comprising a support plate defining a horizontal planar surface for supporting a camera thereon with an angled control handle extending from one end upon a centrally located horizontal axis and angled handle have ~~having~~ vertical sides perpendicular to said support plates ~~plate's~~ horizontal ~~planer~~ planar surface, defining a lip around said support plate and angled handles ~~handle's~~ perimeter, the camera mount further comprising:

a means for attaching a camera to said support plate comprising a hole upon a first vertical axis and along said centrally located horizontal axis for a threaded fastener to extend through defining a cylindrical side extending vertical from and perpendicular to the support plates horizontal planar surface defining a lip around the fastener hole perimeter, whereby said support plate's threaded fastener hole's said cylindrical side defines a centrally located cylindrical rib to retain said threaded fastener for securing a camera statically to said support plate;

a means for connecting a clamping mechanism comprising an upper clamping plate and a lower clamping plate to the support plate defining a semi-spherical projection comprising parallel concave and convex surfaces with a centrally located hole for a threaded fastener with a hexagonal head to extend through upon a second vertical axis and along said centrally located horizontal axis; and

Appl. No. 10/081,932

Amdt. dated June 19, 2003

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a means of rotation of the support plate comprising a semi-spherical pivot defining a convex outer surface which bears against said concave surface of said support plates semi-spherical projection and an upper clamping plate comprising a cylindrical pivot seat defining a concave surface that bears against said convex surface of said support plate's semi-spherical projection.

Claim 3 (cancelled)

Claim 4 (currently amended): The camera mount as recited in claim 1 2, wherein ~~said support plate further comprising a semi-spherical projection upon a second vertical axis and along said centrally located horizontal axis, wherein said semi-spherical projections projection further defines a radial axis that is disposed on a plane vertically below and parallel to said support plates plate's horizontal planer planar~~ surface;

~~the semi-spherical projection defining parallel concave and convex surfaces; and~~

the semi-spherical ~~projection~~ projection's defining a centrally located hole for a threaded fastener to extend through, whereby said hole partially removes the side of said semi-spherical projection that is parallel to said support plate's ~~planer planar~~ surface at an angle originating from ~~the said~~ radial axis of said semi-spherical projection defining clearance around said threaded fastener with a hexagonal head.

Claim 5 (currently amended): The camera mount as recited in claim 1 2, wherein the semi-spherical pivot further comprising defines a semi-spherical pivot defining a convex outer surface which bears against said concave surface of said support plates semi-spherical projection;

~~the semi-spherical pivot defining~~ a centrally located hole for said threaded fastener with a hexagonal head to extend through;

the semi-spherical pivot ~~defining~~ defines a concave side by a first face and a second face which are parallel to a plane on a horizontal axis and perpendicular to said hole, said first face being disposed on a horizontal plane which is vertically above the horizontal plane of said second face, whereby said concave side defines a relief to receive a said hexagonal fastener head; and

the semi-spherical pivot ~~defining~~ defines a polar array of six ribs, which originate at the outermost radius of said concave side and project centrally upon a vertical axis and perpendicular to said hexagonal fastener head, thereby restricting rotational movement of said hexagonal fastener head.

Claim 6 (currently amended): The camera mount as recited in claim 4 2, wherein said clamping ~~mechanism~~ mechanism's comprising an upper clamping plate ~~defining~~ further defines a horizontal ~~planer~~ planar surface which bears against the surface of the desired ~~square, rectangular, or round shaped shaft~~ object said clamping mechanism is to be disposed upon;

the upper clamping ~~plates~~ plate's horizontal ~~planer~~ planar surface ~~defining~~ defines mirrored angled surfaces by a first face and a second face which are mirrored upon a vertical axis and said vertical axis being perpendicular to said upper clamping ~~plates~~ plate's horizontal ~~planer~~ planar surface, said mirrored angled surfaces being disposed upon a plane upon a horizontal axis which is vertically above and parallel to the horizontal axis of said upper clamping ~~plates~~ plate's horizontal ~~planer~~ planar surface, whereby said mirrored angled surfaces bear against the surface of the desired ~~square, rectangular, or round shaped shaft~~ object said upper clamping plate is to be disposed upon;

the upper clamping plate defining a side by a first face and a second face which are parallel to a plane on a horizontal axis, said first face being said upper clamping ~~plates~~ plate's horizontal ~~planer~~ planar surface, said second face being disposed on a plane vertically below the plane of said first face, whereby said side defines a lip perpendicular to said upper clamping ~~plates~~ plate's horizontal ~~planer~~ planar surface; and

the upper clamping plate defining a hole upon a vertical axis along a centrally located horizontal axis and perpendicular to said upper clamping ~~plates~~ plate's horizontal ~~planer~~ planar surface for said threaded fastener to extend through.

Claim 7 (currently amended): The camera mount as recited in claim 6 2, wherein said upper clamping ~~plate~~ plate's ~~further comprising~~ a cylindrical pivot seat ~~defining~~ further defines a first cylindrical side extending to a horizontal plane vertically above and parallel to said upper clamping ~~plates~~ plate's horizontal ~~planer~~ planar surface upon a vertical axis perpendicular to said upper clamping ~~plates~~ plate's horizontal ~~planer~~ planar surface, and said vertical axis is same said vertical axis of said threaded fastener hole defining a lip around said fastener hole perimeter;

the cylindrical pivot seat ~~defining~~ defines a second cylindrical side parallel to said first cylindrical side extending to a horizontal plane vertically above said horizontal plane of said first cylindrical side and parallel to said upper clamping ~~plates~~ plate's horizontal ~~planer~~ planar surface upon a vertical axis perpendicular to said upper clamping ~~plates~~ plate's horizontal ~~planer~~ planar surface, and said vertical axis is same said vertical axis of said fastener hole;

the cylindrical pivot seat ~~defining~~ defines a polar array of six ribs, which originate at the innermost radius of said second cylindrical side and project centrally upon a vertical axis and perpendicular to said upper clamping ~~plates~~ plate's horizontal ~~planer~~ planar surface to the outermost radius of said first cylindrical side; and

the cylindrical pivot seat ~~defining~~ defines a concave surface, whereby said polar array of six ribs originate at said clamping ~~plates~~ plate's horizontal ~~planer~~ planar surface and extend vertically to said first cylindrical ~~sides~~ side's horizontal plane continuing upon a radial axis parallel to said radial axis of said semi-spherical projection to said horizontal plane of said second cylindrical side. ~~;-and~~

Appl. No. 10/081,932

Amdt. dated June 19, 2003

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~~the cylindrical pivot seat defining a concave surface that bears against said convex surface of said support plate's semi-spherical projection.~~

Claim 8 (currently amended): The camera mount as recited in claim 6 2, ~~wherein~~ said clamping ~~mechanism~~ mechanism's ~~further comprising~~ a lower clamping plate ~~further defining defines~~ opposing horizontal ~~planer~~ planar surfaces by a first face and a second face which are parallel upon a vertical axis to a plane on a horizontal axis, said first face being said lower clamping ~~plates~~ plate's first horizontal ~~planer~~ planar surface, said second face being said lower clamping ~~plates~~ plate's second horizontal ~~planer~~ planar surface;

the lower clamping plate ~~defining~~ defines a hole upon a vertical axis along a centrally located horizontal axis and perpendicular to said lower clamping ~~plates~~ plate's horizontal ~~planer~~ planar surfaces for said threaded fastener to extend through;

the lower clamping plate ~~further defining~~ defines opposing sides by a first face and a second face which are parallel to a plane on horizontal axis, said first face being said lower clamping ~~plates~~ plate's first horizontal ~~planer~~ planar surface, said second face being disposed on a plane vertically below the plane of said first face, whereby said opposing sides define a notch therein which bears against the surface of the desired ~~square, rectangular, or round shaped shaft object~~ said lower clamping plate is to be disposed upon;

the lower clamping ~~plate~~ plate's notch ~~further defining~~ defines a horizontal ~~planer~~ planar surface on a horizontal axis vertically below and parallel to said lower clamping ~~plates~~ plate's first horizontal ~~planer~~ planar surface;

the lower clamping ~~plate~~ plate's notch ~~further defining~~ defines a mirrored angled surfaces by a first face and a second face which are mirrored upon a vertical axis centrally located upon a horizontal plane which is vertically below and parallel to the horizontal axis of said lower clamping plate

notch's horizontal ~~planer~~ planar surface and said vertical axis being perpendicular to said lower clamping plate notch's horizontal ~~planer~~ planar surface, whereby said mirrored angled surfaces bear against the surface of the desired ~~square, rectangular, or round shaped shaft~~ object said lower clamping plate is to be disposed upon; and

the lower clamping ~~plates~~ plate's second horizontal ~~planer~~ planar surface ~~further defining defines~~ a cylindrical surface disposed upon a radial axis and said radial axis ~~originating originates~~ upon said horizontal axis of said lower clamping ~~plates~~ plate's said second horizontal ~~planer~~ planar surface, whereby said cylindrical surface bears against the surface of the desired ~~square, rectangular, or round shaped shaft~~ object said lower clamping plate is to be disposed upon.

Claim 9 (currently amended): The camera mount as recited in claim 8, whereby said clamping ~~mechanisms~~ mechanism's lower clamping plate is ~~invertable~~ invertible to adapt to various ~~square, rectangular, or round shaped shafts~~ objects.

10. (currently amended): The camera mount as recited in claim 4 ~~2~~, ~~said means for connecting the clamping mechanism to the support plate comprising a threaded fastener and a coaxial threaded knob~~, whereby said coaxial threads allow cooperative engagement of said threaded fastener and said threaded knob; and

the hexagonal fastener head and threaded knob, whereby cooperatively engaged ~~defining~~ define parallel cooperative surfaces perpendicular to said ~~coaxis~~ coaxial threads.

11. (currently amended): The camera mount as recited in claim 4 ~~9~~ 2, ~~whereby~~ said means for connecting the clamping mechanism to the support plate ~~further comprising comprises~~ the cooperative engagement of the hexagonal fastener head and the concave surface of the semi-spherical pivot, the convex surface of the semi-spherical pivot and the concave surface of the support ~~plates~~ plate's semi-spherical projection, the convex surface of the support ~~plates~~ plate's semi-

Appl. No. 10/081,932

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spherical projection and the concave surface of the upper clamping ~~plates~~ plate's cylindrical pivot seat, and the horizontal ~~planer~~ planar surface of the lower clamping plate and perpendicular surface of the threaded knob; and

the threaded fastener extending through the coaxial holes in the semi-spherical pivot, the support ~~plates~~ plate's semi-spherical projection, the upper clamping plate, the lower clamping plate, and the threaded knob, whereby the support plate is rotatable to select angles relative to the support plate and compressive tension upon the clamping mechanism is adjusted by tightening or loosening the threaded knob, whereby the support plate with a camera secured ~~thereon~~ thereon being attached to the clamping mechanism and the clamping mechanism being disposed upon the desired ~~square, rectangular, or round shaped shaft~~ object and desired compressive tension being adjusted the support plate may be static or rotatable to select a desired angle, for the recording of images of flora, fauna, and participants in outdoors-recreational activities.